

20000303.qrp v01\_n749.qrl.20000303

Date: Fri, 3 Mar 2000 19:03:08 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1749

QRP-L Digest 1749

Topics covered in this issue include:

- 1) [64793] FOXHUNT:Team Scores  
by Bruce Rattray <rattray@gpfn.sk.ca>
- 2) [64794] Re: FS: Lightweight Portable Antennas  
by Joe Everhart <n2cx@voicenet.com>
- 3) [64795] RE: Now this is QRPppppppppppppppp!  
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
- 4) [64796] DX:F00AAA  
by Bruce Rattray <rattray@gpfn.sk.ca>
- 5) [64797] Trip Alert - Appalachian Trail  
by Larry Cahoon <wd3p@juno.com>
- 6) [64798] Fox Hunt  
by w2xn@juno.com
- 7) [64799] Novice ??'s  
by cd25d@rhapsodysails.com (Bill Slater)
- 8) [64800] FOX with 500 mW  
by Randy Foltz <rfoltz@turbonet.com>
- 9) [64801] QRPppppppppppppppp  
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
- 10) [64802] FOX Alert, N0UR Thursday/Friday 00:00 Zulu  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 11) [64803] Re: Now this is QRPppppppppppppppp!  
by "Don Wines" <dwines@tyler.net>
- 12) [64804] Bazooka and Two other Dipoles Compared by W8JI  
by "James R. Duffey" <jamesd1@flash.net>
- 13) [64805] RE: Crystal needed/ Thanks  
by N10DL@aol.com
- 14) [64806] No fox, but had fun!  
by john@neknetwork.com
- 15) [64807] FOX Tonite  
by "Don Wines" <dwines@tyler.net>
- 16) [64808] Re: Bazooka ....  
by "KA5T Larry Wise" <lewise@inetport.com>
- 17) [64809] FOX observation  
by "Conard Murray" <cmurray@cookeville.total-web.net>
- 18) [64810] Looking for schametic to Ten Tec 245 Audio Filter  
by "Conard Murray" <cmurray@cookeville.total-web.net>
- 19) [64811] qrp DX

- by hamjoel@juno.com
- 20) [64812] RE: ALDA 103 Transceiver  
by "Prof. Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
- 21) [64813] RE: QRP Technical list ???  
by "Prof. Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
- 22) [64814] Happy Dance  
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 23) [64815] RE: ALDA 103 Transceiver  
by "Randy Randall" <RANDALLR@Healthall.com>
- 24) [64816] Re: Way-y-y-y-y OT: Comm Specs  
by "Richard McGaver" <mcgaver@execpc.com>
- 25) [64817] Re: Nice BALUN Tutorial on-line (.pdf)  
by Ray Colbert <af852@rgfn.epcc.edu>
- 26) [64818] New DX country on 3 watts  
by N10DL@aol.com
- 27) [64819] Re: Wow!!! SD-20 fishing pole !!!  
by Rod Johnson <ka7you@juno.com>
- 28) [64820] AMECO PT-2 preamp  
by "Bob Tellefsen" <n6wg@earthlink.net>
- 29) [64821] Re: New DX country on 3 watts  
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 30) [64822] MR. LONG ARM POLES  
by ARDUJENSKI@aol.com
- 31) [64823]  
by ABCQRP <w6abc@yahoo.com>
- 32) [64824] Re: [NoGaQRP] Now this is QRPpppppppppppppppp!  
by George Gingell <k3tks@u1.abs.net>
- 33) [64825] Crimp BNC strain relief  
by Peter\_Simpson@ne.3com.com
- 34) [64826] Qrp ARCI CD !  
by Kleibe Jacinto de Araujo <kleibe@anatel.gov.br>
- 35) [64827] FOX: NQ9RP FINAL LOG FOR 3/1/2000  
by "Jerry Scherkenbach" <jerrys@execpc.com>
- 36) [64828] FYI:K2 for sale  
by Qrpop@aol.com
- 37) [64829] RE:MORE Crimp BNC strain relief  
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
- 38) [64830] Used books - ARRL Handbook etc  
by bruceshaw@juno.com
- 39) [64831] NASA KMW award  
by "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>
- 40) [64832] Re: FYI:K2 for sale  
by n2go@arrl.net
- 41) [64833] FS: Wilderness Sierra  
by Steve Kubisch <WW7Y@sisna.com>
- 42) [64834] FS: Alinco DX-70T  
by Steve Kubisch <WW7Y@sisna.com>
- 43) [64835] Minnesota QRP Society Meeting Tomorrow!

by "Cla KA0GKC" <ka0gkc@arrl.net>  
44) [64836] desolder pump  
by Dave Pomeroy <dave\_pomeroy@yahoo.com>  
45) [64837] RE: Now this is QRPppppppppppppppp!  
by "Gary Lee Phillips" <ka9nzi@arrl.net>  
46) [64838] OP: Distance and Miles per Watt Calculator update!  
by "Pete (N9SSA)" <n9ssa@arrl.net>  
47) [64839] SD-20 fishing pole... Keeping water out!  
by "Tom Scott" <tscott@eni.net>  
48) [64840] RE: Nasa km/w award  
by hamjoel@juno.com  
49) [64841] QST March Issue and other ramblings about QRP. :-)  
by "Hare, Ed, W1RFI" <w1rfi@arrl.org>  
50) [64842] OT: Need help WINSPIICE3 on 3.5" floppies  
by Allan G Taylor <agtaylor@llnl.gov>  
51) [64843] Re: desolder pump  
by "Terres Family" <terresfm@ncia.net>  
52) [64844] Re: Need help WINSPIICE3 on 3.5" floppies  
by "Mont Pierce, KM6WT" <montp@synacom.com>  
53) [64845] Rainbow Tuner/Enclosure  
by n4js@pobox.com (John Sielke)  
54) [64846] CLUB: QRP-NE meeting at ARRL HQ  
by "Tracy, Michael, KC1SX" <mtracy@arrl.org>  
55) [64847] HB: Pixie-20 Pix on the web  
by Charlie Panek <charlie\_panek@agilent.com>  
56) [64848] Re: Now this is QRPppppppppppppppp!  
by Bruce Toback <btoback@optc.com>  
57) [64849] RE: Need help WINSPIICE3 on 3.5" floppies  
by Michael Ostrowski <mostrowski@CreativeSolutions.com>  
58) [64850] Re: FS: Wilderness Sierra - SOLD -  
by Steve Kubisch <WW7Y@sisna.com>  
59) [64851] FS OHR 400  
by "William Penhallegon" <w4stx@gte.net>  
60) [64852] L1 wire on rh20/nc20  
by "Mark Hogan" <mhogan@email.msn.com>  
61) [64853] HB/CAD: Schem. soft. for hollow-state?  
by "Tracy, Michael, KC1SX" <mtracy@arrl.org>  
62) [64854] gourmet electronics, or how to cook a transistor  
by "Bill Allen" <bill@pcatexas.com>  
63) [64855] Re: Crimp BNC strain relief  
by Charles R Greene <cgreene7@juno.com>  
64) [64856] Re: Rainbow Tuenr/Enclosure  
by jsielke@pobox.com (John Sielke)  
65) [64857] cheaters  
by Dave Pomeroy <dave\_pomeroy@yahoo.com>  
66) [64858] Re: cheaters  
by Monte Stark <ku7y@dri.edu>  
67) [64859] Re: Bazooka ....

by Monte Stark <ku7y@dri.edu>  
68) [64860] RE: HB/CAD: Schem. soft. for hollow-state?  
by "AI2Q Alex" <ai2q@ispchannel.com>  
69) [64861] loop interaction  
by David Heintzleman <pstrdave@kdsi.net>  
70) [64862] FOX: Log N0UR  
by N0UR1@aol.com

-----  
Date: Thu, 2 Mar 2000 18:27:10 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>  
Subject: [64793] FOXHUNT:Team Scores  
Message-ID: <Pine.LNX.3.95.1000302181808.18007A-1000000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

...hunt #32 - W8RO did not take place.

\*\*\*\*\*  
..DON'T FORGET FOXII, SEND YOUR "FINAL LOG" TO ME AS WELL  
AS TO PAUL...that will be a big help...thank you all....

\*\*\*\*\*  
Fox Hunt 33 - N1TP -

\*\*\*\*\*  
20th. MAINE BENGAL BEARS:Total=12      BLUE J's:Total=14

-----  
Jim - N5IB  
Butch - N5SMQ  
Bill - NT1R  
Joel - KE1LA

-----  
John - VE3JC  
Jim - VE6JWA  
Jeff - VA3JFF  
Jon - TF3JA

EMPIRE HOUNDS:Total=19

-----  
Dick - K2JQ  
Kevin - N2TO  
Mark - N2JTW  
Nick - KF2PH <-

HOUSTON HOUNDS:Total=94"Sweep"

-----  
Bill - K5ZTY <-

MANGY MUSHERS:Total=74

-----  
Pete - NV4V <-

Bill - W5SB <-  
Terry - KQ5U <-  
Dan - KK5LD <-

NIGHT OWLS:Total=50

-----  
Ed - WE6W <-  
Rich - N5JI  
Dan - N7CQR  
Ben - NW7DX

RAIDERS OF THE LOST RF:Total=57

-----  
Fred - VE3FAL  
Earl - VE6EWM  
Mary - NA6E  
Bruce - VE5RC <-

SFBA FOGHORNS:Total=23

-----  
Bob - N6WG  
Conrad - NN6CW  
Andreas - N6NU  
Allan - K7GT

SWORDS:Total=52

-----  
Rick - WB6JBM  
Andy - KC8KFI  
Doc - K0EVZ <-  
Dan - N8IE <-

TEAM ScQRPion:Total=87

-----  
Floyd - NQ7X <-  
Gary - AB7MY  
Conard - WS4S <-  
Bob - NK7M <-

TEXAS TARANTULAS:Total=83"Sweep"

-----  
Bill - K5LN <-  
Dave - N5IW <-  
Bob - AF5Z <-  
Tom - N5TW <-

WESTERN WRANGLERS:Total=45

-----

Paul - VA7NT  
Bruce - N7RR  
Ed - K1VP <-

OKLAHOMA TORNADOS:Total=64

-----  
Cliff - N5UW  
Royce - KE5TC  
Don - K5AAR<-  
Gody - AC6UV

SCATTER SHOT GUNNERS:Total=77

-----  
Mike - K1MG <-  
Jack - W5TFB  
Stan - N6XU  
Pat - K0PC

SWAMP RATS:Total=96

-----  
Tom - N1TP  
Mac - AF4PS <-  
Fred - W2XN <-  
Paul - AJ4Y <-

TEAM CRAMP.COM:Total=44

-----  
OJ - K10J  
George - K5VUU  
Mike - K5NZ  
Eric - NM5M

TESLA'S TERRORS:Total=117"Sweep"

-----  
Wayne - N0EA <-  
Dan - N0DT <-  
Tim - N0EHW <-  
Joe - W0JOE <-

UNDERDOGS:Total=96

-----  
Roy - AB7CE <-  
Dan - N4ROA <-  
Brian - KB9BVN  
Ron - KI0II <-

NORTEX Irregulars:Total=14

-----

Randy - K7TQ  
Chuck - K7Q0  
Steve - WW7Y  
Ron - KU7Y <-

Doc - W5TB  
Joe - KK5NA  
Don - N5YAK  
Barb - KK5QA

...72 - Bruce(VE5RC+VE5QRP)

-----  
Date: Thu, 2 Mar 2000 19:37:24 -0500  
From: Joe Everhart <n2cx@voicenet.com>  
To: qrp-1@Lehigh.EDU  
Cc: njqrp@njqrp.org  
Subject: [64794] Re: FS: Lightweight Portable Antennas  
Message-ID: <200003030037.TAA90154@nss4.cc.lehigh.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Group,

Pardon the repeat, but in inadvertently made a mistake in my blantly commercial posting yesterday. The correct model listing and prices are as follows:

Gusher 20-20 \$20.00

Gusher-Classic \$25.00

Gusher 2-L \$28.00

For additional info contact:

n2cx@voicenet.com

or write to

Joe Everhart, N2CX  
214 New Jersey Rd  
Brooklawn, NJ 08030

72/73,

Joe E., N2CX

-----  
Date: Thu, 2 Mar 2000 19:08:58 -0600  
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>  
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Subject: [64795] RE: Now this is QRPppppppppppppppp!  
Message-ID: <0974781F4FC8D211A24600902727E806011B1FB8@saturn.rose.cc.ok.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Anyone know what frequency?

I need their antenna for QRP moonbounce. They must run their preamp at zero degrees Kelvin!

Hal

-----  
Date: Thu, 2 Mar 2000 19:17:11 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>  
Subject: [64796] DX:F00AAA  
Message-ID: <Pine.LNX.3.95.1000302191514.22083A-1000000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Just worked F00AAA, Clipperton Island dxpedition on 28.025 and I was 6 up...I ran 5 watts to a 2 el tribander.....0114Z...good luck!

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

-----  
Date: Fri, 3 Mar 2000 00:15:31 +0000  
From: Larry Cahoon <wd3p@juno.com>  
To: qrp-l@Lehigh.EDU  
Subject: [64797] Trip Alert - Appalachian Trail  
Message-ID: <20000303.004037.-309481.0.wd3p@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

The Eastern PA QRP club announced an Appalachian Trail Award a couple of



weeks ago. If all goes well - meaning the WX cooperates AND the kids get up early enough I expect to be able to activate the trail in WV this Saturday (3/04/00).

The plan is to leave home about 9 am local and get to Harper's Ferry, WV about 11 am. I am hoping to operate from the mountain south of town. I've allocated an hour operating time for the radio. The rest will be family time. So I could show up anywhere from about 1700z to about 2100z. (I'm aiming for 1700z-1800z but we might go into town first). If we hike far enough south to get into VA then I may well run the WV/VA line. I don't expect to run the MD part of the trail is in the river valley near Harper's Ferry.

I will have an SST for both 40 and 20 meters with a dipole up in the trees. I'm going for 40 meters first and then, unless there is a real pileup go up to 20 meters. I'll shoot for 14.060 and 7.040.

Here are my rules - I will be calling CQ AT. As time is a limited I will do it contest style. I will send a signal report and state. I want back RST, and State. If you are in the EPA club send your member number as well. But I won't be asking for that.

I'll try to post a final notice before I leave home. If the trip gets canceled I'll also send out a note.

73 de Larry.....WD3P in MD.....EPA #44

Trail Award Page --- <http://www.n3epa.org/Pages/AT/AT.htm>

EPA Page ----- <http://www.n3epa.org/Pages/EPA-QRP.htm>

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Thu, 2 Mar 2000 19:59:45 -0500

From: w2xn@juno.com

To: qrp-1@lehigh.edu

Subject: [64798] Fox Hunt

Message-ID: <20000302.195955.-899273.2.w2xn@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Jim, thanks for being the fox tonite and giving the rest of us a fun evening of chasing you. You are doing a great job.

PS: thanks for the pelt too.

Fred W2XN (one of the "Swamp Rats" )  
Lakeland, FL  
W5YI-VE Skywarn #POL-007 Polk County ARES  
AR QRP #233 QRP-L #1728 NJ-QRP #197 ZOMBIE #709

-----  
YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
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Try it today - there's no risk! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

-----  
Date: Thu, 2 Mar 2000 19:32:24 -0600  
From: cd25d@rhapsodysails.com (Bill Slater)  
To: <qrp-l@Lehigh.EDU>  
Subject: [64799] Novice ??'s  
Message-ID: <009f01bf84b0\$56352fe0\$2a76130c@willies>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

RE: Fox hunts

I kinda get the drift about foxhunts, but how do they work.

Bill  
KD5GCX

-----  
Date: Thu, 02 Mar 2000 17:42:03 -0800  
From: Randy Foltz <rfoltz@turbonet.com>  
To: n0ur@yahoo.com, qrpl\_post <qrp-l@lehigh.edu>  
Subject: [64800] FOX with 500 mW  
Message-ID: <38BF186B.4EE1AC68@turbonet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Being on the Western Wranglers Team requires me to fox hunt at 900 mW.  
Tonight I decided to give it a try at 500 mW. One call timed just right  
and Jim got the call. Another fox in the bag at less than 1 watt.

Jim, you were doing a fine job tonight!

73,  
Randy K7TQ  
Moscow, ID

-----  
Date: Thu, 2 Mar 2000 19:49:55 -0600  
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>  
To: "'qrp-1@LEHIGH.EDU'" <qrp-1@LEHIGH.EDU>  
Subject: [64801] QRPppppppppppppppp  
Message-ID: <0974781F4FC8D211A24600902727E806011B1FBD@saturn.rose.cc.ok.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Check this:

I think this is correct

.3 billionths of a trillionth of a watt

0.000000000000000000000003

Hal

-----  
Date: Thu, 2 Mar 2000 20:53:40 -0500  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: "INTERNET:n0ur@yahoo.com" <n0ur@yahoo.com>  
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group  
<QRP-L@Lehigh.edu>  
Subject: [64802] FOX Alert, N0UR Thursday/Friday 00:00 Zulu  
Message-ID: <200003022057\_MC2-9B83-7039@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain;  
charset=us-ascii  
Content-Disposition: inline

Jim:

Well it was a genuine and rare thrill to bag you first tonight. Had worried about conditions at that starting time. I set up the xmit freq about 350 above your expected starting point, using RIT to listen for you. When you started dead-on frequency....I gave one call and you came right back :-). WOW!

Output power was 100 mW. Rig was an NC-40A to the 540' horizontal loop up 33'. You were so LOUD that even less power might have gotten it done. Conditions must have been nearly perfect along this path.

Hope you had a terrific FOX hunt tonight. Thanks again for digging me out.

72,

--Doc Lindsey/K0EVZ

DSBF

PO BOX 6028

Bismarck, ND 58506

K0EVZ@arrl.net

-----

Date: Thu, 2 Mar 2000 20:07:29 -0600

From: "Don Wines" <dwines@tyler.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [64803] Re: Now this is QRPpppppppppppppppp!

Message-ID: <01f301bf84b5\$3bb79fe0\$c89286d0@oemcomputer>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

----- Original Message -----

From: Sam Billingsley <SBillingsley@usaninc.com>

>> snip

> The spacecraft's 8-watt signal, equal to the power of a night light, now

>> snip

> travel 11 billion km (6.8 billion miles) from Pioneer 10 to Earth --

Talk about your miles/watt record!!!! 850 million miles per watt!!

72/73

Don, K5DW

QRP-L #2083

k5dw@arrl.net

-----  
Date: Thu, 02 Mar 2000 19:14:31 -0700  
From: "James R. Duffey" <jamesd1@flash.net>  
To: qrp-1@lehigh.edu  
Subject: [64804] Bazooka and Two other Dipoles Compared by W8JI  
Message-ID: <200003030214.UAA16030@bunyip.flash.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

Tom Rauch, W8JI posted the following to the Antennas reflector. He gave me permission to post it here.

The IAC dipole referred to below is a "double bazooka" design. Note that the bandwidth of the Bazooka is only slightly greater (4.5% vs. 4.0%) than a fat dipole made out of coax. This indicates that the bazooka does not get its greater bandwidth from any "magic" in the stubs. The noise is the same for the Bazooka and dipole so there is no advantage for the bazooka in that area either.

Tom's post follows:

Someone from this group was kind enough to send me a IAC antenna to test. I don't intend to do a product review, other than to say they do a neat job of building them but they are not mechanically strong enough to be supported by the ends only, at least not the 80 meter model.

I had to "hang" the center from a stiff-arm extended out from my rotating tower guy ring, and even then I had to pull pretty hard to keep most of the "belly" out of the element.

Height 50 feet over my rotating tower ground system area. My transmitting antenna area (about ten acres or so) is a virtual copper mat of buried wires, so this would be like having the antennas over nearly perfect ground. I'm sure BW will be wider for all antennas over lossy ground if the antenna isn't mounted very high above earth.

Dipole IAC Double Bazooka

Resonant frequency 3.765 MHz  
2:1 VSWR frequencies 3.68 and 3.85 MHz

Bandwidth 4.5%

Daytime 3 kHz BW Noise (through 250 feet of 7/8 inch heliax) S4 on FT1000D

I tested the IAC antenna at high power to see if the coax would punch through at high power, but it was just fine. The antenna easily handles 1500 watts carrier.

Dipole #14 bare copperweld solid wire

Resonant frequency 3.735 MHz

2:1 VSWR frequencies 3.66 and 3.81 MHz

Bandwidth 4.0 %

Daytime 3 kHz BW Noise voltage (through 250 feet of 7/8 inch heliax) S4 on FT1000D

Duplicate dipole made from coax and twinlead, NO stub connection at center

Resonant frequency 3.710 MHz

2:1 VSWR frequencies 3.63 and 3.79 MHz

Bandwidth 4.3%

Daytime 3 kHz BW Noise level (through 250 feet of 7/8 inch heliax) S4 on FT1000D

Comparison noise level from my normal dipole 400 feet away at 165 feet S1 on FT1000D and it has a 2:1 BW of 9.2%. This is a bare #18 ga copperweld dipole in "bowtie form" with 4 foot spread at the outer ends.

Of course distant signals are much stronger on the high dipole, and local signals stronger on the low dipole.

The only reason my normal high dipole is so much quieter is the location and height. It is several hundred feet further from the house and power lines, and 165 feet above ground level.

I used a choke balun self-resonant on 3.8 MHz on all antennas to eliminate common mode current problems.

By the way, my MFJ Analyzer works perfectly with the IAC dipole, as does the Wiltron Network Analyzer used for the SWR sweeps. They both read the same as a Bird 4391 RF Power Analyst, within limits of instrument tolerance.

So there you have it. The ARRL handbook claims Double Bazookas provide a 1.14 times increase in bandwidth over a dipole. I measured 1.075 times a "fat dipole" made from coax, and 1.15

times the BW of a #14 wire dipole. Looks like they must have measured one, or done the math correctly.

73, Tom W8JI

w8ji@contesting.com

I thought that the group might be interested in this post as the double bazooka has been discussed here in the past. - Dr. Megacycle KK6MC/5

James R. Duffey KK6MC/5

30 Casa Loma Road

Cedar Crest, NM 87008

-----  
Date: Thu, 2 Mar 2000 21:18:01 EST

From: N10DL@aol.com

To: qrp-1@lehigh.edu

Subject: [64805] RE: Crystal needed/ Thanks

Message-ID: <66.1abece5.25f07ad9@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

Thank you to all who responded to my request. If I had thought about it, I would have known where to look for the crystal. Hope to get the TT2 up and running next week

Aron

N10DL

Bedford, NH

-----  
Date: Thu, 02 Mar 2000 21:18:50 -0500

From: john@neknetwork.com

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [64806] No fox, but had fun!

Message-ID: <38BF210A.FB91048C@neknetwork.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Well, my first attempt at a fox hunt - what a blast. Conditions weren't too good into my QTH (Holland, VT). I listened for about 20 minutes, finally picked out Jim at about 0020z or so. I gave a shout a few times at 5w's, but no joy.

There seemed to be quite a bit of interference at times, and even a few QSO's going on fairly close to his freq. His sig seemed to fad in and out at times, especially towards the end. It was great to hear what

sounded like a 1000 screaming QRP rigs shouting out their calls! Sounded just like a bunch of hounds! :)

To whomever said listening to those exchanges helps you pick up your copy speed; you were right! It took about 10 or 15 minutes, but I really could pick out quite a bit after a while. At first I was thinking, there is no way I can do this, but giving it time really helped. Thanks for that tip!

Anyway, I'm gonna give it another shot Tues night. 73,

John - KB1ENS

--

John Wagner - john@neknetwork.com

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-----  
Date: Thu, 2 Mar 2000 20:19:16 -0600  
From: "Don Wines" <dwines@tyler.net>  
To: "QRP-L LIST" <qrp-l@lehigh.edu>  
Subject: [64807] FOX Tonite  
Message-ID: <020101bf84b6\$e183f8a0\$c89286d0@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Jim,

Thanks for the pelt tonite. I didn't get home until after 7:30 and went into the shack, turned on the K2 and only had to move the VFO 500 Hz to find you calling QRZ. Sent my call once and .. bam .. you came right back! QRN was wicked in TX tonite because of the storms in the northern part of the state but you were banging right through.

Great job!

I love this K2! Three straight tries for the Fox since I got it finished and three straight pelts! What a rig!!!

72/73

Don, K5DW

QRP-L #2083



k5dw@arrl.net

-----  
Date: Fri, 03 Mar 2000 02:33:58  
From: "KA5T Larry Wise" <lewise@inetport.com>  
To: "qrp" <qrp-1@lehigh.edu>  
Subject: [64808] Re: Bazooka ....  
Message-ID: <200003030232.UAA04083@admin.inetport.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Gang:

I have always thought that anyone tempted to buy or build a double bazooka antenna should read and reread chapter 18 in Walter Maxwell's book, 'Reflections'.

The title of the chapter is:  
'The Broadband Double-Bazooka Antenna-How broad is it?'

The original material appeared in Technical Correspondence in QST in September 1976. In this chapter he introduces new info obtained at least in part from the Frank Witt (AI1H) articles in QST October 1986 and QST April 1989.

Can you say 'resistive loading'?

Good antenna reading....

Larry KA5T  
Georgetown, TX

-----  
Date: Thu, 2 Mar 2000 21:15:46 -0600  
From: "Conard Murray" <cmurray@cookeville.total-web.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [64809] FOX observation  
Message-ID: <007e01bf84be\$cb7bbcc0\$567fcfd8@cookeville.totalweb.net>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

It just amazes me how much louder these guys are when they are a hound than when they are The Fox. Must be a cruel trick of Mother Nature mocking my confidence in an easy pelt. I have noticed signals getting weaker and overall copy getting rougher over the last few weeks. Even N4ROA was just 10 over tonight.

73,  
Conard, WS4S  
SOC 079  
K2 074  
QRP-L 993

-----  
Date: Thu, 2 Mar 2000 21:27:10 -0600  
From: "Conard Murray" <cmurray@cookeville.total-web.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [64810] Looking for schametic to Ten Tec 245 Audio Filter  
Message-ID: <011b01bf84c0\$5d2ed200\$567fcfd8@cookeville.totalweb.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi All,  
I just found a nice Triton IV that unfortunately didn't come with the CW audio filter installed. I was thinking of brewing up a suitable filter and I would like to know what Ten Tec used so I don't run into trouble with too much gain in the loop. Does anyone have a copy they could scan and drop in the email?  
Thanks,  
Conard, WS4S

-----  
Date: Thu, 2 Mar 2000 22:42:58 -0500  
From: hamjoel@juno.com  
To: qrp-l@lehigh.edu  
Subject: [64811] qrp DX  
Message-ID: <20000302.224300.-322927.0.hamjoel@juno.com>

MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

High y'all once meaux:  
heard a seven station saying qrp, qrp at a SV3AQR... and the guy shut things down and said qrp only please.... then the sv3 dropped to 5 watts and made it a two way qrp qso...  
I called a 9A2EU and got a 55... this was on twenty meters tonite about 0245z  
these were ssb contacts by the way... I think the 7 had the mojo going for him while I had the oh oh (qrp+) going for me.... hee hee

Joel KE1LA  
In Maine  
looking foreward to my k2 so I can go from oh oh to mojo...in the sneaux

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Thu, 2 Mar 2000 23:15:50 -0500  
From: "Prof. Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>  
To: <qrp-L@LeHigh.edu>  
Subject: [64812] RE: ALDA 103 Transceiver  
Message-ID: <000801bf84c7\$ee5a0ae0\$04000a0a@user>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

A young cuban amateur has an ALDA 103 HF transceiver. He has several problems with it, and does not have a circuit diagram or technical manual.  
I understand this is a very old rig, although it is all solid state.  
Does anyone of QRP-L subscribers have information on this transceiver ?  
A drawing of a block diagram could be very useful as a starter to try to help him fix it . I will be at hand to translate and help him all the way into restoring the radio to as close as possible to its original parameters  
Thanks in advance for your help.

e-mail direct to:  
inforhc@mail.infocom.etecsa.cu  
and c.c. to  
inforhc@ip.etecsa.cu  
72 and DX  
Arnie  
C02KK

-----  
Date: Thu, 2 Mar 2000 23:11:56 -0500  
From: "Prof. Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>  
To: <qrp-1@LeHigh.edu>  
Subject: [64813] RE: QRP Technical list ???  
Message-ID: <000701bf84c7\$edaa9100\$04000a0a@user>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Is it true that there is a NEW list ONLY devoted  
to qrp technical matters ?  
If so,how do one does subscribe ???  
Thanks for reading this  
Arnie  
C02KK

-----  
Date: Thu, 02 Mar 2000 22:09:37 -0500  
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>  
To: "njqrp@njqrp.org" <njqrp@njqrp.org>, "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>,  
elecrafft@qth.net  
Subject: [64814] Happy Dance  
Message-ID: <38BF2CF1.83D12DBE@home.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

My K2 shipped today!!!!

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

-----  
Date: Fri, 03 Mar 2000 00:10:49 -0500  
From: "Randy Randall" <RANDALLR@Healthall.com>  
To: <qrp-l@Lehigh.EDU>, <inforhc@mail.infocom.etecsa.cu>  
Subject: [64815] RE: ALDA 103 Transceiver  
Message-ID: <s8bf030e.045@healthall.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: quoted-printable  
Content-Disposition: inline

I have the repair manual for the Alda 103 and would be glad to scan it and e-mail it to you. The thing you will need is an extender board to get the circuit boards out of the chassis to trouble shoot them. I have one, but I need it. I still have a 103. The biggest problem I have seen is the excessive backlash on the VFO due to the gear on the variable cap. =20

Let me know if you want it E-mailed or I could see about having a CD ROM made with the files on it.

73  
Randy KB8AS0

Randy E. Randall  
Network Engineer  
The Health Alliance of Greater Cincinnati  
3200 Burnet Ave.  
Cincinnati, Ohio 45229  
Ph. 513-585-7146  
Fax 513-585-7159

>>> "Prof. Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu> 03/02 = 11:15 PM >>>

A young cuban amateur has an ALDA 103 HF transceiver. He has several problems with it, and does not have a circuit diagram or technical manual.  
I understand this is a very old rig, although it is all solid state.  
Does anyone of QRP-L subscribers have information on this transceiver ?

A drawing of a block diagram could be very useful as a starter to try to help him fix it . I will be at hand to translate and help him all the way into restoring the radio to as close as possible to its original parameters

Thanks in advance for your help.

e-mail direct to:

inforhc@mail.infocom.etcusa.cu=20

and c.c. to

inforhc@ip.etcusa.cu=20

72 and DX

Arnie

C02KK

-----  
Date: Fri, 3 Mar 2000 16:53:15 -0600

From: "Richard McGaver" <mcgaver@execpc.com>

To: <wphinizy@filenet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [64816] Re: Way-y-y-y-y OT: Comm Specs

Message-ID: <031201bf8563\$43da4de0\$9488cfa9@default>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I had a WARRANTY ISSUE with ComSpec and the service is OUTSTANDING!

NK 9G /R

-----Original Message-----

From: Phinizy, William <wphinizy@filenet.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Date: Wednesday, March 01, 2000 9:06 AM

Subject: Re: Way-y-y-y-y OT: Comm Specs

>Thanks to all who responded. CommSpecs is alive and well..

>

>Bill,

>

>k6whp

>

-----  
Date: Thu, 02 Mar 2000 22:24:53 -0700  
From: Ray Colbert <af852@rgfn.epcc.edu>  
To: qrp-1@lehigh.edu  
Subject: [64817] Re: Nice BALUN Tutorial on-line (.pdf)  
Message-ID: <38BF4CA5.8000BFDC@rgfn.epcc.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Nice tutorial, Ed. Someone was asking the other day about info on a 1:1.5 balun(unun - 50-75 ohm) and that may help or another tutorial series was conducted by Jerry Sevick, W2FMI during the 60-70-80's time frame in CQ and in QST. He later went on to write Transmission Line Transformers, by Jerry Sevick, W2FMI, published by ARRL, 2ND Edition, ISBN:0-87259-296-0. It has more on baluns, ununs, and other line transformers than I have ever used or will probably ever use - but well worth reviewing.

73  
Ray

--  
"The more I see of the representatives of the people,  
the more I admire my dogs."

letter from Count d'Orsay to John Foster 1850

-----  
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M NARTE-NCT2 SOC#78  
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

-----  
Date: Fri, 3 Mar 2000 00:22:20 EST  
From: N10DL@aol.com  
To: qrp-1@lehigh.edu  
Subject: [64818] New DX country on 3 watts  
Message-ID: <ee.20b19b6.25f0a60c@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Started to head up to bed at 0430Z. The shack is on the way to the bedroom, so stopped in for a moment and decided to turn on the OHR400 for a few moments to see what was on 30 meters. heard a few QSO's so tuned around. Heard a call I did not recognize calling CQ DX on 10.110, so gave him a call. No answer the first two times, but the thire time, after switching from the R-7 to the Windom, ES1WN came back to me with AGN? Got him, on 3 watts. He gave me a 539 and he was 559 here in NH. Looked him up in the logbook and it

says he is a Club Station in ESTONIA. (had to look that one up on a map).  
Sure pays to get on more later at night.  
Having too much fun in NH/QRP. NOW I'm really heading to bed...  
Aron  
N10DL/qrp  
Bedford, NH

-----  
Date: Fri, 03 Mar 2000 00:38:38 EST  
From: Rod Johnson <ka7you@juno.com>  
To: tscott@eni.net  
Cc: qrp-1@Lehigh.EDU  
Subject: [64819] Re: Wow!!! SD-20 fishing pole !!!  
Message-ID: <20000302.215331.4399.25.ka7you@juno.com>

Tom and others,

IMHO: The drawbacks to the SD-20 and the Black Widow poles are very minor; but if left up in significant rain, the lower sections do tend to fill with water. The joints at the telescoping sections are definitely not watertight, and also the joints seem to loosen up in windy conditions.

This results in one section telescoping down into a lower one. When it hits bottom, it usually dislodges another one or two. I've had the top two sections drop down inside the lower four, and I had to collapse the whole support to get it back up again. These are minor irritations, and it is supposed to be a 'field' antenna support. I'm still very happy with my 19' 10" pole ( I snagged the tip in the garage rafters when I first stretched it out, and broke the tip off-now it has a ring solder lug epoxied to the tip!)

7 3,

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.  
80M thru 10M with K2 s/n268 and other fine QRP rigs.  
VHF thru 1296 MHz-higher bands pending  
ARCI-QRP #7251 QRP-L #844 NWQRP #120 NorCal #2007 SOC#184 and others

-----  
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-----

Date: Thu, 2 Mar 2000 21:47:20 -0800  
From: "Bob Tellefsen" <n6wg@earthlink.net>  
To: <qrp-1@Lehigh.EDU>



Subject: [64820] AMECO PT-2 preamp  
Message-ID: <01bf84d3\$f0e4de00\$2ad8fc9e@ham.earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Yesterday an old friend gave me his Ameco PT-2 receiver preamp. I looked inside, and it seems to be a modern version, with a dual-gate MOSFET for the amplifier. Unfortunately, he didn't have the manual.

Does anyone out there have one that they would be willing to copy for me?  
Costs willingly covered.  
Thanks and 73, Bob N6WG

-----  
Date: Thu, 02 Mar 2000 23:54:15 -0600  
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>  
To: N10DL@aol.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [64821] Re: New DX country on 3 watts  
Message-ID: <009301bf84d5\$04080c40\$8a773ed8@aa5tb>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit

Congradulations Aron!

August, ES1WN hangs out on 20m a lot too. I worked him last night at 0425 UTC on 14.042 MHz with 599 / 579 reports. He was VERY strong into Texas. I was using 4w and a dipole. I've worked him a couple of other time over the years.

20m has been open over the north pole from Texas every night for at least the last couple of weeks. I've had some very nice QRP DX QSOs. Anin, UA3AJ near Moscow has been hanging out on 14.060 MHz again around 0500 UTC.

Sometimes I think my MFJ-9020 is hard wired to Russia. I guess is just has the "mojo"!

73,  
Steve Yates - AA5TB  
Fort Worth, TX - EM12gs  
<http://home.swbell.net/aa5tb>

-----  
Date: Fri, 3 Mar 2000 01:07:50 EST  
From: ARDUJENSKI@aol.com  
To: qrp-1@lehigh.edu  
Subject: [64822] MR. LONG ARM POLES  
Message-ID: <9e.1d53a89.25f0b0b6@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Well, for those of you having trouble finding the extension poles I noted at HOME DEPOT here is the website for the manufacturer of the PRO-LOC poles (24ft)

<http://www.mrlongarm.com/poles.html>

Alan KB7MBI

-----  
Date: Thu, 2 Mar 2000 21:57:56 -0800 (PST)  
From: ABCQRP <w6abc@yahoo.com>  
To: qrp-1@Lehigh.EDU  
Message-ID: <20000303055756.17030.qmail@web2101.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Hi All,  
On Now!  
0557z 3/3/00 on 14.040 ZK1XXC, North cook, supposedly  
operating a K2 Tuning 2 up.  
73,  
Jack  
(PS I worked him with my K2 @ 5w. first call)

-----  
Do You Yahoo!?  
Talk to your friends online with Yahoo! Messenger.  
<http://im.yahoo.com>

-----  
Date: Fri, 3 Mar 2000 01:28:13 -0500 (EST)  
From: George Gingell <k3tks@u1.abs.net>  
To: Steve Slavsky <radioham@erols.com>  
Cc: k4rab <k4rab@radio.org>, Sam Billingsley <SBillingsley@usaninc.com>, "AAAA\_NOGA\_onlist (E-mail)" <nogaqrp@qth.net>,

"Qrpl\_Submit (E-mail)" <qrpl@Lehigh.EDU>, "klqrp\_submit (E-mail)"  
<klqrp@waterw.com>  
Subject: [64824] Re: [NoGaQRP] Now this is QRPppppppppppppppp!  
Message-ID: <Pine.BSI.4.10.10003030121310.13292-100000@u1.abs.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

No Question about it. Pioneer Holds the Universe Record (Out of this world) for the greatest distance on QRPp. Maybe WE (QRP ARCI) should send NASA a KMW Award. :^)

Sir George, The First :^)

72 ES  
QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net  
QRP A.R.C.I. Net Manager and Board of Director Member.  
Gingell & Company, Ltd. Small Business Telephone Systems  
Notary Public and Locksmith Services  
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117  
Maryland Milliwatt Club QRP Reference Library, (301)572-6789  
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -  
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

-----  
Date: Fri, 3 Mar 2000 06:07:28 -0500  
From: Peter\_Simpson@ne.3com.com  
To: qrpl@lehigh.edu  
Subject: [64825] Crimp BNC strain relief  
Message-ID: <85256897.003CB555.00@usboxmta.ne.3com.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

Corky mentioned a problem that crimp BNCs have with braid failure at the end of the crimp ferrule. I have never had this happen, but perhaps it explains why some of the commercial cables I have seen use a 2" length of heat shrink over the ferrule and extending back onto the RG-58.

Peter, KA1AXY

-----  
Date: Fri, 3 Mar 2000 08:37:19 -0300  
From: Kleibe Jacinto de Araujo <kleibe@anatel.gov.br>  
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>  
Subject: [64826] Qrp ARCI CD !  
Message-ID: <6A3A6C7C6177D311932B0000E21F2B781538C2@ANATELMAILE>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Hi Gang,,,,

Some peoples have noticed that Sprat CD is ready.  
And Qrp ARCI CD????? Is ready??=20

73=B4s  
Kleibe Jacinto de Araujo  
PP2KJA=20

-----  
Date: Fri, 3 Mar 2000 13:13:45 -0600  
From: "Jerry Scherkenbach" <jerrys@execpc.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Cc: "AE9K, Brian" <ae9k@yahoo.com>, "NK9G, Rick" <mcgaver@execpc.com>  
Subject: [64827] FOX: NQ9RP FINAL LOG FOR 3/1/2000  
Message-ID: <009701bf8544\$998a20e0\$958bcfa9@Pjerrys>

| TIME | CALL  | RST | SENT | RST | RECD | SPC | NAME  | QRP-L # or P |
|------|-------|-----|------|-----|------|-----|-------|--------------|
| 0101 | W0CH  | 559 |      | 559 |      | MO  | DAVE  | 618          |
| 0103 | N1TP  | 579 |      | 579 |      | FL  | TOM   | 1317         |
| 0105 | N4ROA | 579 |      | 579 |      | VA  | DAN   | 970          |
| 0106 | K0EVZ | 559 |      | 579 |      | ND  | DOC   | 861          |
| 0107 | AE4Y  | 559 |      | 569 |      | GA  | KENT  | 1844         |
| 0109 | N0EA  | 579 |      | 559 |      | MO  | WAYNE | 1058         |
| 0109 | N1LN  | 579 |      | 579 |      | TX  | BRUCE | 2049         |
| 0110 | N5TW  | 579 |      | 579 |      | TX  | TOM   | 1474         |
| 0111 | K0PC  | 579 |      | 579 |      | MN  | PAT   | 1964         |
| 0112 | N4KZ  | 579 |      | 599 |      | KY  | DAVE  | 1709         |
| 0113 | N5UW  | 579 |      | 599 |      | OK  | CLIFF | 478          |
| 0114 | N0DT  | 579 |      | 559 |      | MO  | DAN   | 1004         |
| 0116 | K1JD  | 579 |      | 599 |      | RI  | JOHN  | 1945         |
| 0117 | W0JOE | 579 |      | 559 |      | MO  | JOE   | 1902         |

|      |        |     |     |    |         |      |
|------|--------|-----|-----|----|---------|------|
| 0118 | K8CV   | 599 | 559 | MI | WALT    | 935  |
| 0119 | KF2PH  | 579 | 579 | NY | NICK    | 13   |
| 0120 | K1VP   | 579 | 559 | NH | ED      | 1960 |
| 0121 | N0EHW  | 579 | 599 | MO | TIM     | 2047 |
| 0124 | W3BBO  | 599 | 599 | PA | BOB     | 1723 |
| 0124 | K2UD   | 579 | 579 | NY | HOWARD  | 1535 |
| 0125 | AJ4Y   | 579 | 589 | FL | PAUL    | 1795 |
| 0126 | K4NK   | 579 | 599 | SC | LES     | 871  |
| 0127 | K4LL   | 579 | 569 | KY | LEN     | 5W   |
| 0128 | N0UR   | 579 | 579 | MN | JIM     | 799  |
| 0129 | K1QM   | 559 | 559 | MA | JOEL    | 337  |
| 0130 | WD8KQY | 579 | 579 | OH | GARY    | 446  |
| 0131 | K5AAR  | 579 | 559 | OK | DON     | 1512 |
| 0132 | NV4V   | 579 | 559 | KY | PETE    | 1721 |
| 0133 | N5LU   | 579 | 579 | OK | BILL    | 2009 |
| 0134 | AF5Z   | 579 | 579 | TX | BOB     | 984  |
| 0134 | AE2T   | 579 | 579 | NY | AL      | 1664 |
| 0135 | NT1R   | 579 | 599 | ME | BILL    | 912  |
| 0136 | KB9IUA | 579 | 559 | IL | KEVIN   | 384  |
| 0137 | AB8DF  | 579 | 599 | MI | ED      | 1444 |
| 0138 | VE5RC  | 559 | 559 | SK | BRUCE   | 886  |
| 0139 | KT5W   | 579 | 599 | LA | CHARLES | 100W |
| 0141 | KU4AF  | 599 | 599 | NC | JOHN    | 987  |
| 0143 | WS4S   | 559 | 579 | TN | CONRAD  | 993  |
| 0145 | NQ7X   | 559 | 559 | AZ | FLOYD   | 343  |
| 0146 | WV3B   | 579 | 599 | MN | JEFF    | 5W   |
| 0146 | N0RN   | 559 | 599 | CO | BOB     | 1789 |
| 0148 | W2XN   | 559 | 559 | FL | FRED    | 1728 |
| 0150 | K5JHP  | 579 | 559 | TX | BILL    | 825  |
| 0151 | AF4PP  | 559 | 559 | GA | CHUCK   | 1785 |
| 0152 | N0AR   | 579 | 559 | MN | SCOTT   | 1455 |
| 0153 | N8IE   | 579 | 579 | OH | DAN     | 1404 |
| 0154 | K5UP   | 559 | 569 | OK | GLEN    | 21   |
| 0155 | KI0II  | 559 | 579 | CO | RON     | 928  |
| 0156 | WA2TDL | 559 | 579 | NY | RICK    | 4W   |
| 0157 | NK7M   | 559 | 579 | AZ | BOB     | 271  |
| 0159 | KK5LD  | 559 | 559 | TX | DAN     | 2052 |
| 0200 | K3DQ   | 579 | 559 | MD | JIM     | 100W |
| 0202 | KC1FB  | 559 | 559 | CT | JIM     | 29   |
| 0203 | N2ZHY  | 559 | 399 | NJ | DAVID   | 2067 |
| 0204 | N8VAR  | 579 | 559 | OH | RON     | 263  |
| 0205 | AF4PS  | 579 | 579 | FL | MAC     | 704  |
| 0207 | N5IW   | 559 | 559 | TX | DAVE    | 1718 |
| 0208 | W0RW   | 579 | 599 | CO | PAUL    | 284  |
| 0210 | W5YR   | 559 | 559 | TX | GEO     | 1373 |
| 0211 | KJ5SP  | 559 | 559 | OK | MEL     | 1287 |
| 0212 | WW7Y   | 559 | 559 | UT | STEVE   | 94   |
| 0213 | W5HNS  | 559 | 549 | TX | HENRY   | 178  |

|      |        |     |     |    |       |      |
|------|--------|-----|-----|----|-------|------|
| 0214 | N6WG   | 559 | 559 | CA | BOB   | 26   |
| 0218 | N5GJQ  | 559 | 579 | LA | MIKE  | 5W   |
| 0220 | N7RR   | 559 | 559 | WA | BRUCE | 1688 |
| 0221 | K0YWD  | 559 | 559 | MT | SKIP  | 2003 |
| 0224 | K1MG   | 579 | 559 | CA | MIKE  | 614  |
| 0227 | K10J   | 559 | 559 | TX | OJ    | 732  |
| 0228 | AB7CE  | 559 | 559 | MT | ROY   | 1494 |
| 0229 | NW7DX  | 559 | 559 | WA | BEN   | 1892 |
| 0230 | KQ5U   | 559 | 559 | TX | TERRY | 1603 |
| 0231 | K5FNJ  | 559 | 559 | TX | DAVE  | 5W   |
| 0233 | KB7WW  | 559 | 559 | OR | ART   | 290  |
| 0234 | N6XU   | 559 | 559 | CA | STAN  | 66   |
| 0235 | WE6W   | 559 | 559 | CA | ED    | 1068 |
| 0237 | NK9G   | 559 | 559 | WI | RICK  | 2160 |
| 0238 | K5OI   | 559 | 559 | NM | TIM   | 73   |
| 0241 | KU7Y   | 559 | 559 | NV | RON   | 17   |
| 0243 | VE6EWM | 559 | 579 | AB | EARL  | 1076 |
| 0244 | VA7NT  | 559 | 559 | BC | PAUL  | 20   |
| 0244 | K5RV   | 559 | 559 | LA | BRIAN | 324  |
| 0245 | W4WLG  | 559 | 579 | TX | DON   | 2123 |
| 0251 | W5TB   | 559 | 559 | TX | DOC   | 673  |
| 0252 | N3YSI  | 559 | 579 | PA | PAUL  | 1835 |
| 0254 | KD5CMN | 559 | 559 | TX | MIKE  | 1328 |
| 0256 | N0TU   | 559 | 559 | CO | STEVE | 911  |
| 0259 | K5DW   | 559 | 559 | TX | DON   | 2083 |

-----

Date: Fri, 3 Mar 2000 08:34:58 EST  
 From: Qrpop@aol.com  
 To: qrp-l@lehigh.edu  
 Subject: [64828] FYI:K2 for sale  
 Message-ID: <b9.12c4fcd.25f11982@aol.com>  
 MIME-Version: 1.0  
 Content-Type: text/plain; charset="US-ASCII"  
 Content-Transfer-Encoding: 7bit

FYI

There is a K2 listed for sale on the QTH.COM website

73 John w2iv

-----

Date: Fri, 3 Mar 2000 07:44:58 -0600  
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [64829] RE:MORE Crimp BNC strain relief  
Message-ID: <0974781F4FC8D211A24600902727E806011B1FBE@saturn.rose.cc.ok.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

For those of you that have occasion to use the three piece crimp on (Center pin crimp), you can always sweat some solder onto the back of the center pin. This makes a very solid connection. As for the braid, cut it a little long so that when you slide the ferrel over the braid there is some sitting out. Fold this back over the ferrel and solder it to the outside of the ferrel.

Some might say this defeats the purpose of the crimp on connector, but I find that it makes for a quick and easy assembly and the extra soldering makes for a solid connection. Try it, you'll like it.

Hal

-----  
Date: Fri, 3 Mar 2000 08:42:02 -0800  
From: bruceshaw@juno.com  
To: qrp-1@Lehigh.EDU  
Subject: [64830] Used books - ARRL Handbook etc  
Message-ID: <20000303.084203.-1735773.0.bruceshaw@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

I discovered a site <http://www.bibliofind.com> for used books. I picked up a copy of the ARRL Handbook for quite a good price. This links you with hundreds of used book stores.

72

Bruce Shaw  
kg4dzu

-----  
Date: Fri, 3 Mar 2000 07:49:13 -0600  
From: "Deitz, Harold L." <hdeitz@ms.rose.cc.ok.us>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [64831] NASA KMW award  
Message-ID: <0974781F4FC8D211A24600902727E806011B1FBF@saturn.rose.cc.ok.us>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

I think that would be an excellent idea!

Hal - WB9VMY

No Question about it. Pioneer Holds the Universe Record (Out of this world) for the greatest distance on QRPP. Maybe WE (QRP ARCI) should send NASA a KMW Award. :^)

Sir George, The First :^)

72 ES  
QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net  
QRP A.R.C.I. Net Manager and Board of Director Member.  
Gingell & Company, Ltd. Small Business Telephone Systems  
Notary Public and Locksmith Services  
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117  
Maryland Milliwatt Club QRP Reference Library, (301)572-6789  
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -  
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

-----  
Date: Fri, 3 Mar 2000 08:51:29 -0500 (EST)  
From: n2go@arrl.net  
To: Qrpop@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [64832] Re: FYI:K2 for sale  
Message-ID:  
<Pine.LNX.4.20.0003030850320.2159-1000000@valhalla.valhalla.buffalo.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

And it is only \$100 more than a brand new one....:)

73,

Jim n2go

On Fri, 3 Mar 2000 Qrpop@aol.com wrote:

> There is a K2 listed for sale on the QTH.COM website



-----  
Date: Fri, 03 Mar 2000 07:47:58 -0700  
From: Steve Kubisch <WW7Y@sisna.com>  
To: qrp-1@lehigh.edu  
Subject: [64833] FS: Wilderness Sierra  
Message-ID: <38BFD09D.A10E1EC2@sisna.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

For Sale:

Wilderness Sierra w/ KC2 Digital Display/Keyer/S-Meter/Wattmeter  
Custom Wilderness Front Panel for KC2  
Band modules for 80,40,30,20,17,15,and 10 Meters (10 Meter not built)

Buzznot Noise Blanker  
Variable Bandpass Tuning Filter 100hz - 1500 Hz  
1 - 3 Watts out depending on Band  
Full Documentaion  
Perfect electrical and cosmetic conditon. Like new.

\$350

This is the ultimate backpacker radio, small and will run for many days on a small gel cel. Very good reciever. This radio purchased from Wilderness with these options would cost over \$500. If interested E-mail at WW7Y@sisna.com.

Thanks, Steve

--  
Steve Kubisch -WW7Y-  
640 East 250 North  
Centerville, Utah 84014  
WW7Y@sisna.com

-----  
Date: Fri, 03 Mar 2000 07:58:40 -0700  
From: Steve Kubisch <WW7Y@sisna.com>  
To: qrp-1@lehigh.edu

Subject: [64834] FS: Alinco DX-70T  
Message-ID: <38BFD320.F3C6620D@sisna.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

For Sale:

Alinco DX-70T w/ removable front panel and cable.  
CW/SSB 5-100 Watts out -10 Watts on 6 Meters  
Covers all Amatuer bands including 6 meters  
General coverage reciever  
Built-in CW narrow filter  
Excellent condition both cosmetic and electrical. Like new.

\$500

IF interested E-mail at WW7Y@sisna.com

Thanks & 73,

--

Steve Kubisch -WW7Y-  
640 East 250 North  
Centerville, Utah 84014  
WW7Y@sisna.com

-----  
Date: Fri, 3 Mar 2000 09:34:27 -0600  
From: "Cla KA0GKC" <ka0gkc@arrl.net>  
To: "QRP-l" <qrp-l@lehigh.edu>, "MNQRP-L" <mnqrp-l@qth.net>  
Subject: [64835] Minnesota QRP Society Meeting Tomorrow!  
Message-ID: <021b01bf8526\$03193ba0\$0200000a@aplitech>

Hi Gang,

The Minnesota QRP Society meets tomorrow, Saturday, March 4th 1:30pm at the Minnetonka Community Center. If you are going to be in the Minneapolis/St. Paul metro area please try to make it. Visitors are always welcome. Directions and location information are on our web site. URL below.

Tomorrows meeting should be very interesting. We will be discussing and looking over design ideas for receivers, transmitters and antennas for an 80 meter club project. And of course we encourage all to bring their latest QRP project, achievement, story or joke. Let's have some fun!

I've also been advised by President Les Bearl, N0PPF that he intends to break my former record for shortest business meeting. Six minutes as I recall.

Hope to see you there, 73 de KA0GKC Claton Cadmus  
Minnesota QRP'ers we're looking for you!  
Email me or visit this page <http://www.qsl.net/mnqrp>

-----  
Date: Fri, 3 Mar 2000 08:05:25 -0800 (PST)  
From: Dave Pomeroy <dave\_pomeroy@yahoo.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [64836] desolder pump  
Message-ID: <20000303160525.28925.qmail@web1103.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Gang & Phil,  
Here is the URL for the heated desolder pump.  
<http://www.action-electronics.com/desolder.htm>

=====

Dave Pomeroy K8DNP Southwest Michigan

-----  
Do You Yahoo!?  
Talk to your friends online with Yahoo! Messenger.  
<http://im.yahoo.com>

-----  
Date: Fri, 3 Mar 2000 10:25:26 -0600  
From: "Gary Lee Phillips" <ka9nzi@arrl.net>  
To: qrp-l@lehigh.edu  
Subject: [64837] RE: Now this is QRPppppppppppppppp!  
Message-ID: <200003031625.KAA32200@mail.lib.colum.edu>

10 light-hours on eight watts? Is that a miles-per-watt record or what? I think we should send NASA a certificate.

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>  
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg  
QRP-ARCI #5154 <http://www.netcom.com/~fufffe/>

-----  
Date: Fri, 03 Mar 2000 11:24:18 -0500  
From: "Pete (N9SSA)" <n9ssa@arrl.net>  
To: qrp-l@Lehigh.EDU  
Subject: [64838] OP: Distance and Miles per Watt Calculator update!  
Message-ID: <4.3.2.20000303111146.00d4ac40@172.16.1.100>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Howdy -

I have built a new Distance and Miles Per Watt calculator, that allows for easier MPW calculations. It is based on the best formula I could find for calculating Great Circle Distance. It is accurate to within a couple of miles, given good Latitude and Longitude.

Check it out at:

<http://www.qsl.net/n9ssa/mpwcalc.html>

This is good "one stop shopping" for MPW calculations.

Future improvements to include map plot and better callbook lookup.

72

N9SSA - Pete Hoffswell  
Holland, MI - EN62wt - 42.79N 86.15W  
n9ssa@arrl.net <http://www.qsl.net/n9ssa>  
QRP-L #2109

-----  
Date: Fri, 3 Mar 2000 08:58:23 -0800  
From: "Tom Scott" <tscott@eni.net>  
To: "'qrp-l Reflector'" <qrp-l@Lehigh.EDU>, "'Antennas Reflector List'" <antennas@qth.net>  
Subject: [64839] SD-20 fishing pole... Keeping water out!  
Message-ID: <000001bf8531\$b26f6600\$68100f0a@wyle.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Rod makes a very good point. If deployed in anything like a permanent



This results in one section telescoping down into a lower one. When it hits bottom, it usually dislodges another one or two. I've had the top two sections drop down inside the lower four, and I had to collapse the whole support to get it back up again. These are minor irritations, and it is supposed to be a 'field' antenna support. I'm still very happy with my 19' 10" pole ( I snagged the tip in the garage rafters when I first stretched it out, and broke the tip off-now it has a ring solder lug epoxied to the tip!)

7 3,

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.

80M thru 10M with K2 s/n268 and other fine QRP rigs.

VHF thru 1296 MHz-higher bands pending

ARCI-QRP #7251 QRP-L #844 NWQRP #120 NorCal #2007 SOC#184 and others

---

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<http://dl.www.juno.com/get/tagj>.

---

Date: Fri, 3 Mar 2000 12:19:13 -0500

From: hamjoel@juno.com

To: qrp-l@lehigh.edu

Subject: [64840] RE: Nasa km/w award

Message-ID: <20000303.121916.-137311.1.hamjoel@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Hey Steve.... awards manager Steve, that is

Iffin u gonna make out the award... I'll send u the two dollars to cover costs...

shure sounds like a good idea from heah

Joel KE1LA

In Maine

---

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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Fri, 3 Mar 2000 12:36:51 -0500  
From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [64841] QST March Issue and other ramblings about QRP. :-)  
Message-ID: <125490A005E3D3118C9C00805FC743CC08D285@mail.arrl.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"

First, I have a good size stack of March QSTs in hand and this will serve as the final call for those who want a sample issue. Email to w1rfi@arrl.org.

Second, Steve Ford, the QST editor, told a few HQ guys that he has received a LOT of compliments for the March issue. Those of you who read it and liked what you saw, or didn't like what you saw, can send email to Steve at wb8imy@arrl.org. Include a copy to your ARRL Division Director; see <http://www.arrl.org/divisions.html>. Member feedback means a lot to the HQ editing staff and to the Directors who shape ARRL policy. Support for QRP will mean a lot to continuing the fine work that ARRL has started in this area.

Although I think that it is real nice that the March issue has so much for QRP, none of us QRP types can ever expect that QST will contain as much QRP as the various excellent QRP publications. After all, QST writes for a large audience, with diverse interests. What we can hope for (and, IMHO have gotten) is for QST to contain a fair amount of QRP material, with "fair" being defined as proportionate to the interests of ARRL members. Having said that, the REAL value, IMHO, of having ongoing QRP content in QST is to help reach out to "potential" QRPers, letting them see the fun we are having, and at least understanding that QRP does not necessarily mean QPW (puny weak). This is the approach I took in writing my part of the QRP March issue. Those who have a nice QRP article under consideration that they feel would be a good way to reach out to the non-QRPers should consider it for publication in one of the "mainstream" ham-radio magazines. (Those who have a nice article for their QRP bretheren and sisteren will probably reach their intended audience just as well through the various QRP rags.) No matter what, though, let's keep promoting this; QRP is probably the fastest growing part of the hobby.

In having attended a few hamfests lately, I think we are about to see a serious influx of new HF ops, both from those who upgrade from Novice or Tech+ and from those who either upgrade from Tech or enter anew. The 13 wpm barrier looked pretty high, and for 5 wpm, folks really did get only a few small slivers. With a 5 wpm test, many who were considering ham radio now feel they can get some meaningful privileges for a reasonable test. In all of those newcomers are some fine potential QRPers and, as some will learn,

some fine potential CW ops, too. (I once hated CW, but soon learned that it is one of the most enjoyable operating activities. CW is good enough, IMO, that it is has never been the rules about testing that kept it alive.) Now, more than ever, we need some publicity to keep QRP in the forefront as these new hams enter the fine hobby.

73,  
Ed Hare, W1RFI  
ARRL Lab

-----  
Date: Fri, 03 Mar 2000 09:37:45 -0800  
From: Allan G Taylor <agtaylor@llnl.gov>  
To: qrp-1@lehigh.edu  
Subject: [64842] OT: Need help WINSPIECE3 on 3.5" floppies  
Message-ID: <38BFF869.6521@llnl.gov>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I need some ideas on how to get WINSPIECE3 onto a computer that has neither a functioning modem nor access to a JAZZ drive, etc. Is it possible to copy the expanded files, one by one, onto 3.5" floppies and get it over to my wayward laptop PC that way?

This is, as you may suspect, so I can do the QRP-TECH course.

--  
Allan Taylor K7GT agtaylor@llnl.gov

DXCC 2000 Millenium award via QRP: 18 worked to date since 22 Feb

-----  
Date: Fri, 3 Mar 2000 10:41:56 -0500  
From: "Terres Family" <terresfm@ncia.net>  
To: <dave\_pomeroy@yahoo.com>  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [64843] Re: desolder pump  
Message-ID: <001901bf8527\$02c5cf00\$c581f3ce@computer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Dave,  
JDR (www.jdr.com) in catalogue #81B on page 7 shows what looks like the identical pump for \$19.99, item DSLD115. The picture in the catalogue looks



pretty much identical to the one on action-electronics web site, however searching the JDR web site they do not show a picture when the item comes up.

usual disclaimers

jerry aalof

franconia nh

-----  
Date: Fri, 3 Mar 2000 10:04:50 -0800  
From: "Mont Pierce, KM6WT" <montp@synacom.com>  
To: <agtaylor@llnl.gov>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [64844] Re: Need help WINSPIICE3 on 3.5" floppies  
Message-ID: <021401bf853a\$fa823d60\$72855fcf@synacom.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

If your going to use floppies, then I'd suggest using the pkzip option that makes one zip file span multiple diskettes.

Another method would be to connect the two PCs together using the RS232 ports and a null modem cable.

Dos 6.22 has intersvr and interlnk that allows you to make one PC look like a disk drive on the 2nd PC.

Mont

----- Original Message -----

From: Allan G Taylor <agtaylor@llnl.gov>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: March 03, 2000 9:37 AM  
Subject: OT: Need help WINSPIICE3 on 3.5" floppies

> I need some ideas on how to get WINSPIICE3 onto a computer that has  
> neither a functioning modem nor access to a JAZZ drive, etc. Is it  
> possible to copy the expanded files, one by one, onto 3.5" floppies and  
> get it over to my wayward laptop PC that way?

>

> This is, as you may suspect, so I can do the QRP-TECH course.

> --

> Allan Taylor K7GT agtaylor@llnl.gov

>  
> DXCC 2000 Millenium award via QRP: 18 worked to date since 22 Feb  
>

-----  
Date: Fri, 03 Mar 2000 18:17:29 GMT  
From: n4js@pobox.com (John Sielke)  
To: qrp-1@lehigh.edu, njqrp@njqrp.org  
Subject: [64845] Rainbow Tuner/Enclosure  
Message-ID: <38c40122.78812874@mail.snip.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: quoted-printable

If whoever was looking for a Rainbow tuner/enclosure will drop me an email, I have one (unbuilt) with Doug Hauff's beautiful enclosure still in the box.

                                  =20  
/ \ / \ / \ / \ John L. Sielke n4js@pobox.com n4js@qsl.net  
( N )( 4 )( J )( S ) NJ Grid:FM29LN <http://www.qsl.net/n4js>  
\\_/ \\_/ \\_/ \\_/ NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86  
G-QRP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781

-----  
Date: Fri, 3 Mar 2000 13:21:32 -0500  
From: "Tracy, Michael, KC1SX" <mtracy@arrl.org>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [64846] CLUB: QRP-NE meeting at ARRL HQ  
Message-ID: <125490A005E3D3118C9C00805FC743CC02F0E6@mail.arrl.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"

The QRP Club of New England will be holding it's spring meeting at ARRL Headquarters on Saturday April 1st (no, really!) starting at 9am. Yours truly will be the host. Donuts and coffee will be provided. As usual, following lunch there will be a W1AW/qrp operation.

For directions, see <http://www.arrl.org/visithq.html> or email me for a copy of you prefer.

72, Michael Tracy, KC1SX

-----  
Date: Fri, 03 Mar 2000 10:45:57 -0800  
From: Charlie Panek <charlie\_paneke@agilent.com>  
To: QRP List <qrp-l@lehigh.edu>  
Subject: [64847] HB: Pixie-20 Pix on the web  
Message-ID: <38C00865.5A75EEAF@agilent.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I've finally gotten a "round tuit" and photographed, scanned, and uploaded some pictures of my 20 meter Pixie in a Velamints tin.

It's Intense!

<http://www.psn.net/~panek/pixiepix.html>

72,  
Charlie KX7L

--  
Charlie Panek  
mailto:charlie\_paneke@agilent.com

-----  
Date: Fri, 3 Mar 2000 11:49:43 -0700  
From: Bruce Toback <btoback@optc.com>  
To: <dwines@tyler.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [64848] Re: Now this is QRPppppppppppppppppp!  
Message-ID: <200003031854.LAA04532@landru.optc.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

Dan Wines writes:

>From: Sam Billingsley <SBillingsley@usaninc.com>  
>  
>>> snip  
>> The spacecraft's 8-watt signal, equal to the power of a night light, now  
>>> snip  
>> travel 11 billion km (6.8 billion miles) from Pioneer 10 to Earth --  
>  
>Talk about your miles/watt record!!!! 850 million miles per watt!!

Yup... just goes to show what a decent antenna will do when you put it up high enough :-).

Actually, NASA does better than this, and they use signal processing techniques, if not antennas, that advanced QRPers could start to adopt.

For example, when the Galileo spacecraft dropped its probe into Jupiter's atmosphere in December, 1995, the primary science probe signals were transmitted back to Galileo via a 5W transmitter with a low-gain antenna. However, additional experiments were carried out using direct reception of the probe signal here on Earth. The 21.6cm signal -- from a sidelobe of the probe antenna, which was pointed back at the primary spacecraft -- was tracked and decoded. The exact frequency measurements were used to create a vertical wind profile of Jupiter's atmosphere by analyzing the Doppler shift as the probe fell. Pioneer is 12 times farther away, but its 8W goes into a 30dBi+ antenna. The probe's antenna gain in the direction of Earth was less than 0dBi.

(The signal was received at two radio astronomy facilities, the VLA outside Socorro, NM, and the Australia Telescope Compact Array at Narrabri, Australia. So this technically wasn't entirely a NASA effort.)

An abstract of the report describing the experiment is available at <http://www.sciencemag.org/cgi/content/abstract/275/5300/644>.

-- Bruce

-----  
Bruce Toback      Tel: (602) 996-8601 | My candle burns at both ends;  
OPT, Inc.                      (800) 858-4507 | It will not last the night;  
11801 N. Tatum Blvd. Ste. 142      | But ah, my foes, and oh, my friends -  
Phoenix AZ 85028                      | It gives a lovely light.  
btoback@optc.com                      |        -- Edna St. Vincent Millay

-----  
Date: Fri, 3 Mar 2000 14:12:49 -0500  
From: Michael Ostrowski <mostrowski@CreativeSolutions.com>  
To: qrp-1@Lehigh.EDU  
Subject: [64849] RE: Need help WINSPIICE3 on 3.5" floppies  
Message-ID: <C17F1AF032ECD21180C100A024BB8E2E017C2B85@xmail.creativesol.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"

See:

<http://crashcoursesoftware.com>

They have a small app called "slicer" which allows you to split one large file over several floppies. In fact I just used it myself to put WinSpice3 on two diskettes so I can get it home.

Slicer creates a file on each diskette with a unique extension (WinSpi~1.s10 on the first disk, WinSpi~1.s11 on the second, etc) and places a batch file on the final diskette (WinSpi~1.bat). To reassemble the original file you copy all the diskette files into your hard drive and run the batch file.

72/73s

Michael Ostrowski - KI8IK  
Saline, MI

KI8IK@arrl.net

-----  
Date: Fri, 03 Mar 2000 12:17:16 -0700  
From: Steve Kubisch <WW7Y@sisna.com>  
To: qrp-1@lehigh.edu  
Subject: [64850] Re: FS: Wilderness Sierra - SOLD -  
Message-ID: <38C00FBB.7FDAA0C1@sisna.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The Sierra is sold.

--  
Steve Kubisch -WW7Y-  
640 East 250 North  
Centerville, Utah 84014  
WW7Y@sisna.com

-----  
Date: Fri, 3 Mar 2000 14:40:59 -0500  
From: "William Penhallegon" <w4stx@gte.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [64851] FS OHR 400  
Message-ID: <007901bf8548\$79226520\$abc0173f@pavilion>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

For Sale OHR 400

5 watts out on 80, 40, 30 and 20

This rig is really nice and clean. It looks good and works well. It was aligned and checked out by Oak Hills Research in Grand Rapids, MI. Full documentation. \$280 includes shipping in CONUS.

Bill W4STX

-----  
Date: Fri, 3 Mar 2000 13:40:37 -0600  
From: "Mark Hogan" <mhogan@email.msn.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [64852] L1 wire on rh20/nc20  
Message-ID: <005201bf8548\$5a768700\$9ee90181@cityweb.gov>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

the book's at home I did not write it down...

Anyone tell me if this is 26 or 28 ga wire...

I broke it and need some more, rat shack has a pack w/ 26, if so I'm good.

If not I gotta hunt some...

N50BC / Hogan

-----  
Date: Fri, 3 Mar 2000 14:45:55 -0500  
From: "Tracy, Michael, KC1SX" <mtracy@arrl.org>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [64853] HB/CAD: Schem. soft. for hollow-state?  
Message-ID: <125490A005E3D3118C9C00805FC743CC02F0EC@mail.arrl.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"

Hi - a fellow who is not on the list has asked if anyone knows of schematic drawing software that includes tube symbols (diode, triode, tetrode and pentode as a minimum). I have one that I use that includes a diode tube, but none of the others.

If you know of such a critter, please let me know - thanks!

72, Michael Tracy, KC1SX  
kc1sx@arrl.org

-----  
Date: Fri, 3 Mar 2000 14:08:36 -0600  
From: "Bill Allen" <bill@pcatexas.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [64854] gourmet electronics, or how to cook a transistor  
Message-ID: <004f01bf854c\$427473c0\$356840ce@outown.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Gang!

Well, looks like I get to try my hand at a repair. Boy, did I make a bonehead play! I was fooling around with an antenna on my DSW-40, sans tuner. I was getting some high SWR readings and I guess I let it go on a little too long. In the midst of making adjustments, I quit getting readings at all on the SWR meter. Although I still get signal on my general coverage receiver that is in the same room, I suspect it is in the milliwatt range. Seems I blew the final PA transistor, a 2SC1947. At least that is my best guess. Receive is still great, however. I talked it over with Dave and he's sending me out a new transistor. Fine chap, that Dave!

So, anyway, I am using this as a learning experience.  
Lesson #1 - Don't jerk around with sensitive transistors by dumping high RF on them through high SWR, duh!  
Lesson #2 - Dummy, get a tuner!  
Lesson #3 - Patience, I had ordered a G5RV, but just couldn't wait to get out on the air.

Way off topic: Did you all catch the action on 10Meters today? Man! It was hot!!!

73  
KC5ADF  
Bill Allen

-----





( N )( 4 )( J )( S ) NJ Grid:FM29LN <http://www.qsl.net/n4js>  
 \\_ / \\_ / \\_ / \\_ / NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86  
 G-QRP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781

-----  
Date: Fri, 3 Mar 2000 12:46:26 -0800 (PST)  
From: Dave Pomeroy <dave\_pomeroy@yahoo.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, Elecraft  
<elecraft@qth.net>  
Subject: [64857] cheaters  
Message-ID: <20000303204626.8585.qmail@web1103.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Gang,

Being 56 years old and much abused My eyes were not  
up to the K2. I found a headband magnifier by the  
name of Optivisor. Mine is 2 1/2 power but they make  
them in a bunch powers. Also you can get a swing down  
helper for more magnification. Here is the URL for a  
sales outfit.

<http://www.xtronics.com/optivisor.htm>

Take care

=====

Dave Pomeroy K8DNP Southwest Michigan

-----  
Do You Yahoo!?

Talk to your friends online with Yahoo! Messenger.

<http://im.yahoo.com>

-----  
Date: Fri, 3 Mar 2000 13:03:13 -0800 (PST)  
From: Monte Stark <ku7y@dri.edu>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [64858] Re: cheaters  
Message-ID: <Pine.GS0.4.10.10003031300570.26282-100000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 3 Mar 2000, Dave Pomeroy wrote:

> Gang,

> Being 56 years old and much abused My eyes were not

> up to the K2. I found a headband magnifier by the

> name of Optivisor. Mine is 2 1/2 power but they make  
> them in a bunch powers. Also you can get a swing down  
> helper for more magnification. Here is the URL for a  
> sales outfit.  
> <http://www.xtronics.com/optivisor.htm>

FWIW.....

I have been using Optivisor's for about 20 years. The one  
I have at home is about that old and is still in great  
shape. (No, I don't use it every day but I do just leave  
it laying on the bench, half the time under stacks of  
"whatever"!)

I MUCH prefer these to magnifying lights.

OK, back in my hole.....

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....  
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

-----  
Date: Fri, 3 Mar 2000 13:06:11 -0800 (PST)  
From: Monte Stark <ku7y@dri.edu>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [64859] Re: Bazooka ....  
Message-ID: <Pine.GS0.4.10.10003031304080.26282-1000000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

The first yagi I made was for 10m.

I used conduit and fed it by making a Double-Bazooka out of  
some OLD WW II coax and "stuffing" that inside the driven  
element.

Worked like a house afire!

(Back then we didn't have SWR meters but did have things  
like Pi network output circuits!

cul,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....  
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

-----  
Date: Fri, 3 Mar 2000 16:06:48 -0500  
From: "AI2Q Alex" <ai2q@ispchannel.com>  
To: <mtracy@arrl.org>, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>  
Cc: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>  
Subject: [64860] RE: HB/CAD: Schem. soft. for hollow-state?  
Message-ID: <000301bf8554\$647e2940\$5c32a7d0@ispchannel.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

OrCAD is a terrific schematic capture package that includes a tube library.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of  
Tracy, Michael, KC1SX  
Sent: Friday, March 03, 2000 2:46 PM  
To: Low Power Amateur Radio Discussion  
Subject: HB/CAD: Schem. soft. for hollow-state?

Hi - a fellow who is not on the list has asked if anyone knows of schematic drawing software that includes tube symbols (diode, triode, tetrode and pentode as a minimum). I have one that I use that includes a diode tube, but none of the others.

If you know of such a critter, please let me know - thanks!

72, Michael Tracy, KC1SX  
kc1sx@arrl.org

-----

Date: Fri, 03 Mar 2000 22:29:03 +0000  
From: David Heintzleman <pstrdave@kdsi.net>  
To: antennas@qth.net, qrp-1@Lehigh.EDU  
Subject: [64861] loop interaction  
Message-ID: <38C03CAF.5DFFD457@kdsi.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

am wanting to put up 5 concentric loops on one pole, 20 - 10 mtrs, full  
wave & feed with one ladder line -  
have heard of loop interaction. Also heard about twisting the ladder  
line between each loop.

Suggestions?

Dave K8BBM

-----  
Date: Fri, 3 Mar 2000 18:00:43 EST  
From: N0UR1@aol.com  
To: qrp-1@lehigh.edu  
Subject: [64862] FOX: Log N0UR  
Message-ID: <33.2046cee.25f19e1b@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Was it me, or did 40 meters stink last night? It must of been the solar  
storms. My noise level started at S-7, and was S-9 when I finished, then  
throw in some QRM. Thanks to all who worked me, and sorry to the stations I  
could not pull out.

|      |       |               |      |
|------|-------|---------------|------|
| 0000 | K0EVZ | 579 MD DOC    | 861  |
| 0001 | N4ROA | 579 VA DAN    | 970  |
| 0001 | N0AR  | 559 MN SCOTT  | 1455 |
| 0002 | W0CH  | 559 MO DAVE   | 618  |
| 0003 | VE5RC | 559 SK BRUCE  | 886  |
| 0003 | WS4S  | 599 TN CONRAD | 993  |
| 0004 | N0EHW | 599 MO TIM    | 2047 |
| 0005 | K1VP  | 559 NH ED     | 1960 |
| 0005 | AJ4Y  | 579 FL PAUL   | 1795 |
| 0006 | K1JD  | 579 RI JOHN   | 1945 |
| 0007 | N0TU  | 599 CO STEVE  | 911  |
| 0007 | N0EA  | 559 MO WAYNE  | 1058 |
| 0008 | K1QM  | 579 MA JOEL   | 337  |

|      |         |               |      |
|------|---------|---------------|------|
| 0009 | KB9IUA  | 599 IL KEVIN  | 384  |
| 0010 | N9AW    | 599 WI JERRY  | 1271 |
| 0010 | K5ZTY   | 559 TX BILL   | 473  |
| 0011 | WD8KQY  | 599 OH GARY   | 446  |
| 0012 | K5VUU   | 559 TX ED     | 1343 |
| 0013 | N0DT    | 559 MO DAN    | 1004 |
| 0014 | NV4V    | 579 KY PETE   | 1712 |
| 0015 | K0PC    | 599 MN PAT    | 1964 |
| 0016 | K5AAR   | 559 OK DON    | 1512 |
| 0018 | N8IE    | 559 OH DAN    | 1404 |
| 0019 | N5TW    | 599 TX TOM    | 1474 |
| 0020 | KK5LD   | 559 TX DAN    | 2052 |
| 0021 | KC1FB   | 559 CT JIM    | 29   |
| 0023 | K0YWD   | 559 MT SKIP   | 2003 |
| 0024 | AB7CE   | 559 MT ROY    | 1494 |
| 0025 | AF4PS   | 559 FL MAC    | 708  |
| 0026 | N8VAR   | 559 OH RON    | 263  |
| 0027 | N1TP    | 559 FL TOM    | 1317 |
| 0028 | W1FB    | 599 CT ED     | 2212 |
| 0030 | W0RW    | 559 CO PAUL   | 284  |
| 0031 | K5OI    | 559 NM TIM    | 73   |
| 0033 | KB0WW   | 559 MO LOREN  | 2010 |
| 0034 | K10J    | 559 TX OJ     | 732  |
| 0035 | W2XN    | 549 FL FRED   | 1728 |
| 0036 | AF5Z    | 579 TX BOB    | 984  |
| 0037 | KJ5SP   | 559 OK MEL    | 1287 |
| 0039 | W7ELW   | 559 AZ HOWARD | 2010 |
| 0040 | NQ7X    | 559 AZ FLOYD  | 343  |
| 0041 | W2PFS   | 559 NY HAL    | 2078 |
| 0042 | KQ5U    | 559 TX TERRY  | 1603 |
| 0043 | N5IW    | 549 TX DAVE   | 1718 |
| 0044 | N5EN    | 559 TX STEVE  | 2071 |
| 0045 | N1LN    | 559 TX BRUCE  | 2049 |
| 0048 | AE2T    | 559 NY AL     | 1664 |
| 0048 | W0JOE   | 559 MO JOE    | 1901 |
| 0049 | W5SB    | 559 TX BILL   | 1279 |
| 0050 | K5UP    | 559 OK GLEN   | 21   |
| 0052 | WE6W    | 579 CA ED     | 1068 |
| 0053 | N7RR    | 559 WA BRUCE  | 1677 |
| 0055 | VE3JC   | 599 ON JOHN   | 744  |
| 0056 | AB8DF   | 559 MI ED     | 1444 |
| 0057 | VE6EWM  | 579 AB EARL   | 1076 |
| 0059 | VA7NT   | 559 BC PAUL   | 20   |
| 0101 | KU4AF   | 599 NC JOHN   | 987  |
| 0103 | KI0II/M | 559 CO DON    | 928  |
| 0104 | AF4PP   | 559 AL CHUCK  | 1785 |
| 0106 | NK7M    | 579 AZ BOB    | 271  |
| 0107 | NT1R    | 559 ME BILL   | 912  |

|      |       |               |      |
|------|-------|---------------|------|
| 0108 | N5IB  | 559 TX JIM    | 1913 |
| 0109 | K2UD  | 559 NY WARD   | 1535 |
| 0113 | K7TQ  | 549 ID RANDY  | 102  |
| 0115 | W9UQB | 449 AZ MIKE   | 413  |
| 0118 | AB0G0 | 599 CO DAVE   | 785  |
| 0118 | N5UW  | 579 OK CLIF   | 479  |
| 0022 | N3YSI | 559 PA PAUL   | 1835 |
| 0124 | K4LL  | 569 KY LEN    | 5W   |
| 0125 | WW7Y  | 559 UT STEVE  | 94   |
| 0126 | N5GJQ | 559 LA MIKE   | 5W   |
| 0128 | KB7WW | 559 OR ART    | 290  |
| 0131 | K8CV  | 559 MI WALT   | 935  |
| 0136 | K5DW  | 559 TX DON    | 2083 |
| 0138 | KI0G  | 559 CO BOB    | 923  |
| 0143 | K5JHP | 559 TX BILL   | 825  |
| 0146 | W5TB  | 599 TX DOC    | 673  |
| 0147 | VE1MT | 599 NS LAYTON | 1448 |
| 0150 | KK5NA | 559 TX JOE    | 26   |
| 0153 | NW7DX | 559 WA BEN    | 1892 |

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End of QRP-L Digest 1749

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